

EDITO

Opus Technologies is a French manufacturer of assistive listening technologies.

With over 10 years' experience in developing innovative technologies, we are committed to providing the best hearing accessibility solutions for people with hearing loss.

Led by a team of professionals who are passionate about accessibility products, our priority is to offer you reliable, high-quality solutions.

As part of this progress, we have launched our new **Aura** by Opus brand based on Auracast™ technology. This ground-breaking innovation enables direct, wireless audio broadcast to compatible devices, providing an enhanced, personalised listening experience in public places. We will have many surprises in store in 2025 to meet users' needs even better.

The Opus Technologies catalogue includes our range of solutions based on **Auracast™ technology**, of audio-frequency **induction loop amplifiers**, as well as a range of **counter intercoms** and **UHF wireless systems**.

In partnership with our international partners, we develop ever more effective solutions to meet the varied needs of our customers. We guarantee permanent support and a professional response to all your requests.

Opus Technologies team

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OUR COMPANY

Opus Technologies is above all a human adventure that has been going on for more than 10 years. Our main mission? To design and manufacture in Europe the most efficient assistive listening devices on the market. Thanks to our exclusive technology, we enable audio to anybody to enjoy optimum sound quality in public spaces such as theatres, conference rooms, reception desks, airports and many more.

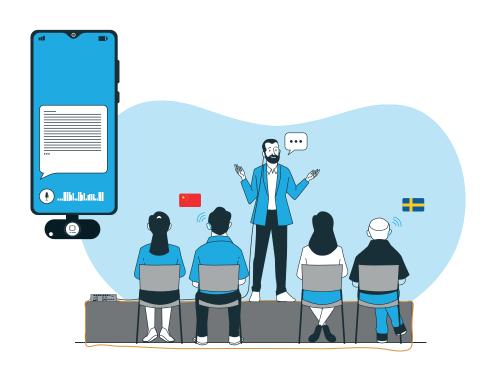
To ensure so our partners receive the best possible support and to maximise compliance with an international requirements in installations, we offer ongoing training to all our resellers. We also offer tailor-made case studies, technical training and customised design prior installation.

We believe in innovation and hard work to provide our customers with new solutions every year. Reliability, simplicity and the ability to listen are our trademarks.

Did you know about this REVOLUTION?

If your venue is equipped with one of our Opus Technologies loop amplifiers, then simply plug our **OP-LTT** transcriber into your smartphone to get a live transcription or translation of the speaker's speech!





2013	l st product launch : DCL20	2017	software development	2022	Auracast™ system range launch
Creation of the company 2016		LD range launch	2018	New range launch : OP-LRM, LD1.0Lite and LD4.2	2024





manufacturer



Cmartlaan



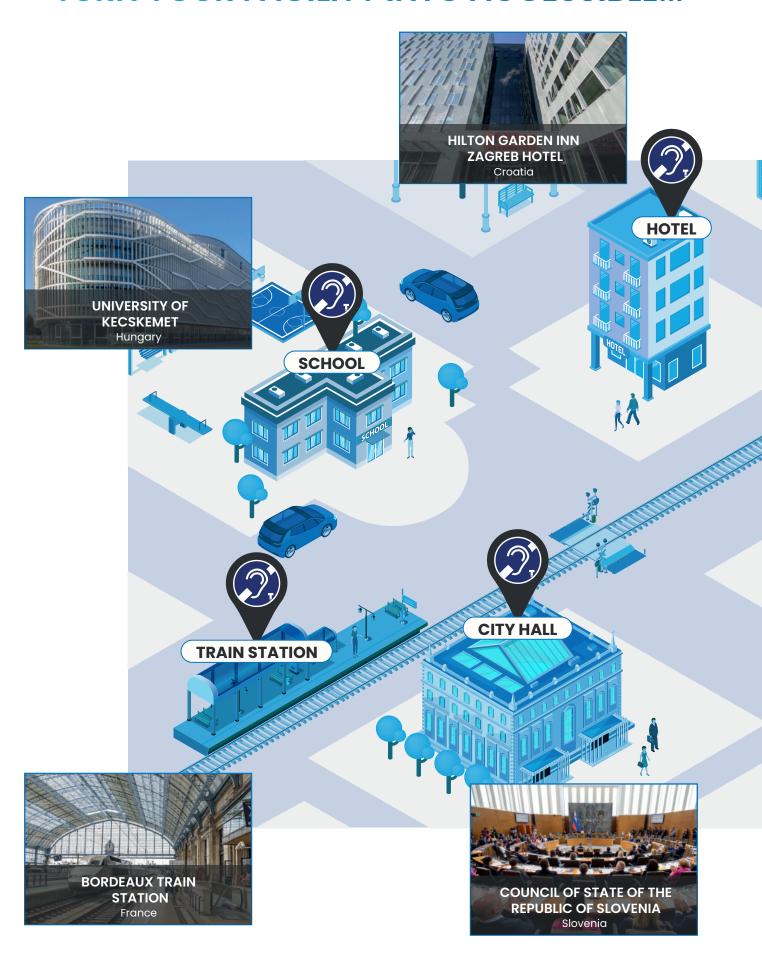
OUR PRESENCE ABOARD



WHY CHOOSE OPUS TECHNOLOGIES?

	Installation	Use	Maintenance	Audio quality	Prosthesis compatibility	Type of receivers
Auracast™	Simple	Simple	Simple	Excellent Stereo	T coil & Auracast™	Auracast™ proth., Prosthesis T, Earbuds & Wireless headphones
Loop amplifier systems	Complex	Simple	Technical	Reduced Mono	T coil	Prosthesis T & Wireless headphones
UHF wireless systems	Simple	Binding	Simple	Good Stereo	T coil	Prosthesis T & Wireless headphones
Infrared systems	Simple	Binding	Simple	Good Mono	T coil	Prosthesis T & Wireless headphones
Wifi wireless systems	Technical	Complex	Simple	Good Stereo	T coil	Prosthesis T & Wireless headphones

TURN YOUR FACILITY INTO ACCESSIBLE...



...FOR HARD OF HEARING PEOPLE



AURACAST™ SYSTEMS

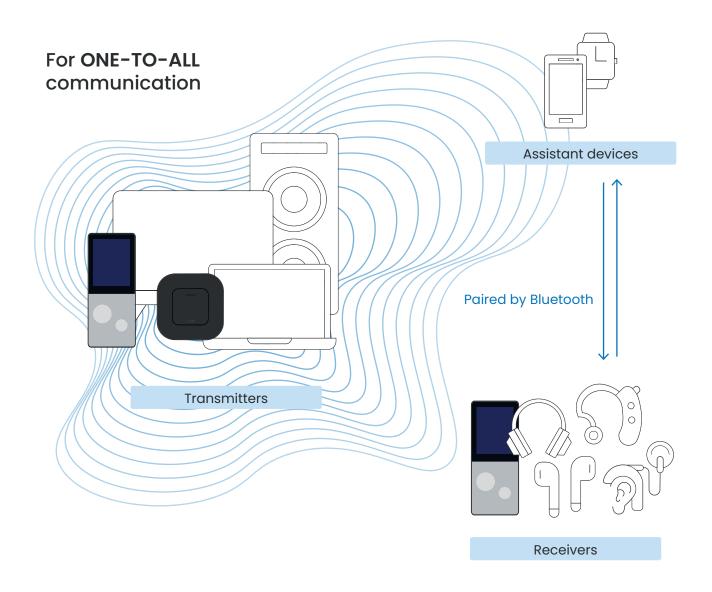
At Opus Technologies, we're revolutionising listening with Auracast™, a technology that makes sound **accessible**, **immersive** and **shared**. Whether addressing individual needs or creating a seamless audio connection in public spaces, our solutions deliver a clear, inclusive audio experience tailored to each user.

With Auracast[™], we reaffirm our commitment to serving the public and **transforming public spaces** into environments where sound is both a tool for accessibility and a source of emotion. Welcome to a new era of listening, thought for everyone and everywhere.

Aura by Opus is a brand designed in France and made in EU.



AURACAST™ - HOW IT WORKS?



KEY FIGURES



the number of Bluetooth LE compatible audio devices by 2028

90 %

of new smartphones will support Bluetooth LE Audio by 2027 2,5 million

of public places are expected to deploy Auracast audio broadcasting by 2030

Source: ABT Research

OUR BRAND, AURA BY OPUS

For over 10 years, Opus Technologies has been developing the best products to improve hearing assistance. With **Aura by Opus**, we are bringing to market a complete range of solutions incorporating the brand-new Auracast protocol.

OUR OBJECTIVES



Breaking down barriers

Revolutionizing audio broadcasting and its access in public venues



Standardize audio broadcasting

Broadcast multichannel audio from one transmitter to several types of receivers



Leading the audio technological revolution

By launching revolutionary R&D developments such as automatic audio translation and Al functionalities!





In an **airport**, Aura by Opus products offers a revolutionary solution for improving communication and the experience of travellers by enabling personalised, direct audio broadcasting.



We updated our famous eLoop electronic card in order to create an AuraLoop. Now you can discover the first hybrid terminal to include both **magnetic loop** and **Auracast™** technology.

Our hybrid solution allows most hearing aids and cochlear implants to connect to our AuraLoop. Don't choose one solution over another, choose both!

Welcoming your visitors is your establishment's image.

50%

In 2026

50 % of hearing aids will be equipped with Auracast™ technology. And this figure is estimated to rise to 100% by 2030!

SOFT SMARTCAST

SmartCast is a simulation software for our Aura by Opus systems.

Project your installation to ensure you are using the **right product**, the **right power** and the **right number of Aura by Opus access points**. Simple and intuitive, the software is designed for quick learning.

The tool will be launched in Q2 2025. Follow us on the network and ask for a demonstration as soon as the tool is released: contact@opus-technologies.fr



IMPORTING YOUR ROOM PLANS



AUTOMATIC OR MANUAL WALL DETECTION



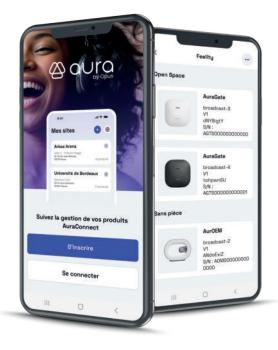
PRODUCT POSITIONING AND VISION OF THEIR IMPACT



CHECK THAT YOUR PRODUCTS ARE IN THE RIGHT AREA

APPLICATION AURACONNECT

AuraConnect makes configuring and managing your Aura By Opus products child's play. Designed to integrate seamlessly with the **EasyConfig** philosophy, the application makes the complicated simple. Everything is done in just a few clicks, directly from your smartphone.



Fast and INTUITIVE configuration

Add and configure your products in an instant:

Easy to add: Scan a QR Code or enter a serial number.

Customisation : Configure the broadcast power, name your broadcast, set the audio inputs, set a password and choose between mono or stereo.

Advanced controls: Take advantage of a full range of parameters to adjust your products to your needs.

Scalable MANAGEMENT adapted to your needs

AuraConnect adapts to each user thanks to two user profiles :

For owners:

Control your installation : Safely add a new installer to work on your products.

Centralised view: Find all your installations, whether they have been carried out by one or more installers.

For installers:

Manage your projects: Create a complete installation by registering the owner directly in the application.

Efficient tracking: View all the projects carried out by your company and access the records of registered owners.



AURACAST™ SYSTEMS - TERMINALS





AuraLoop / AuraLoop+

Designed for accessibility for all, this hybrid product integrates a magnetic loop and Auracast protocol for the first time. Based on this new technology, we're creating unique usage functionalities that will meet all needs over the next few years.

AuraLoop+ comes with an OP-M81 goose neck microphone and an OP-E3 handset for non fitted people.

AUDIO INPUT	
Integrated microphone	Capsule microphone
Microphone plug	1x Jack 3,5 mm
AUDIO OUTPUT	
Headphone plug	1x Jack 3,5 mm
Bluetooth transmit power	3 dBm
POWER SUPPLY	
Voltage / Current	5-12 V DC / 1,5 A
Connector	Micro USB female
Battery	Lithium Ion 3,7 V / 4000 mAh
Autonomy	10 hours or 5 hours in usage
Charge time	4 hours
CONNECTIVITY	
Connectivity #1	Auracast™ (Bluetooth 5.2 and up)
Connectivity #2	Induction Loop
Qualification	Bluetooth SIG
Update	Wireless via AuraConnect app.
AUDIO	
Sampling frequencies	16 kHz
Codec used	LC3
Connection	Via QR code or password
Automatic Gain Control (AGC)	Yes
TECHNICAL SPECIFICATIONS	
Induction loop range	3 m
Auracast™ rang field	30 m (open field)
On-board memory	8 mo
PRODUCT SPECIFICATIONS	
Dimensions	250 x 185 x 80 mm
Net weight	366 g

INSTALLATION

AuraLoop is a ready-to-use system: all you need to do is position it at an appropriate distance between you and the person you're talking to. What's more? Thanks to its fastening support, the AuraLoop can be permanently installed on a workstation.

USE

Plugged into the mains or powered by its battery, the AuraLoop is perfectly suited to both stationary and mobile use.

Press the power button on the back of the device, and you're ready to use the AuraLoop! For a better user experience, connect the OP-M81 goose neck microphone and its OP-E3 handset supplied in the kit AuraLoop+ kit.







AuraGate-WH / AuraGate-BL

AuraGate by Opus is an innovative broadcast terminal designed to deliver a high-quality audio experience. By combining Auracast broadcasting and cutting-edge technologies, we offer fluid, stable audio broadcasting faithful to the original source, whatever the listening environment (auditorium, a cinema, airport, open-air concert etc...).

RF			
Connectivity	Auracast™ (Bluetooth 5.2 and up)		
Operation frequency	2'402 to 2'480 MHz		
Auracast™ mode	Transmitter		
Encryption	AES-CCM		
Transmitter power	10 dBm (EU) and 20 dBm (USA)		
CONTROL			
Mechanical button functions	4 switches : First function : Micro/LINE/Phantom Second function : set to BLE CONFIG/UPDATE or AURACAST mode		
Configuration	AuraConnect application		
Update	AuraConnect application		
PERIPHERALS			
Status LED	RGB multifunction		
AUDIO OUTPUT (AURACAST™)			
Auracast™ stereo	Quality : 16, 24 or 48 kHz		
Multi-channel	Up to 2 Auracast™ stream		
Mesured range	150 m (open range)		
AUDIO INPUT (PHYSICAL)			
Mode	Mono		
Connexion	3 pin (differential)		
Impedance	4 or 8 Ohm		
Nominal output	400 mW		
AUDIO INPUT			
LINE or MICRO inputs	2x LINE/MICRO inputs		
100 V input	1x 100 V terminalinput		
SPDIF input	1x SPDIF input		
USB input	1x USB-C input		
Compatible with or LD Opus Technologies product range			
Onboard microphone	Yes		

AUDIO PROCESSING		
Sample rate	16 kHz	
	24 kHz	
	48 kHz	
Codec	LC3	
	16 kHz : 50 to 7′500 Hz	
Frequency responses	24 kHz : 50 to 11'000 Hz	
	48 kHz : 50 to 19′500 Hz	
Latency	30 ms	
Automatic Gain Control (AGC)	Yes	
POWER AND CHARGING		
Power supply	USB-C	
Power	5 V, 300 mA	
Dock connection	USB-C / PoE	
MECHANICAL SPECIFICATION		
Dimensions	190 x 190 x 50 mm	
Unit weight	250 g	
Temperature storage	-15 to 60 °C	

INSTALLATION

AuraGate is easy to install on a wall, ceiling, behind a screen or integrated into a furniture. Simply screw its safety mounting bracket and clip the AuraGate!

USE

Power the AuraGate using the supplied power supply. At start-up, connect your AuraConnect application to the terminal.

Configure the broadcast name, audio quality, range and, if required, an access code, and you're ready to go! If you've chosen a code connection, share the code and QR Code with the room manager, or print it out.



AURACAST™ SYSTEMS - TERMINALS



AuraSTRX

A compact and intuitive Auracast™ receiver/transmitter, the AuraSTRX is designed to meet the needs of modern users. Compatible with our Aura by Opus range and any other Auracast™ systems, it redefines the user experience.

RF		
Connectivity	Bluetooth 5.3 (BLE)	
Operation frequency	2'402 to 2'480 MHz	
Auracast™ mode	Transmitter or Receiver	
Encryption	AES-CCM	
Transmitter power	10 dBm (EU) and 20 dBm (USA)	
Reception sensitivity	- 95 dBm	
CONTROL		
Touch screen	2,8 ich touche LCD	
Mechanical button	5 buttons	
Configuration	Screen or AuraConnect app.	
Update	AuraConnect application	
PERIPHERALS		
QR code reader	Connect to broadcast	
Light sensor	Adjust screen brightness	
Proximity sensor	Detect user	
Accelerometer	Detect position of AuraSTRX	
Status LED	RGB multifunction	
AUDIO OUTPUT		
Mode	Stereo or Mono	
Connexion	3,5 mm, 3 or 4 pins	
Impedance	16 or 32 Ohm	
Nominal output	57 mW RMS per channel	
AUDIO INPUT		
Connexion	3,5 mm, 4 pins	
Input	Micro via Jack 3,5 mm	
MECHANICAL SPECIFICATION		
Dimensions	130 x 60 x 14 mm	
Net weight	85 g	
Temperature storage	-15 to 60 °C	
Protection rating	IP64	

AUDIO PROCESSING		
	16 kHz	
Sample rate	24 kHz	
	48 kHz	
Codec	LC3	
	16 kHz : 50 to 7′500 Hz	
Frequency responses	24 kHz : 50 to 11'000 Hz	
	48 kHz : 50 to 19'500 Hz	
Latency	30 ms with AuraGate	
POWER AND CHARGING		
Power supply	USB-C or docking station	
Power	5 V, 500 mA	
Dock connection	USB-C	
Battery	3,7 V, 1'700 mAh	
AUTONOMY		
Screen always ON, TX, @10 dBm	> 8 hours	
Screen OFF, TX, @10 dBm	> 20 hours	
Screen always ON, RX	> 10 hours	
Screen OFF, RX	> 50 hours	

RECEIVER MODE

- Auracast™ receiver with automatic stream scanning.
- QR Code connection to Auracast™ streams.
- Automatic screen brightness adjustment based on ambient light.
- Intelligent screen shut-off thanks to the accelerometer.
- Simplified configuration with **EasyConfig**: NFC, Bluetooth via the AuraConnect app, or the charging station.
- Identify a guided tour group by coloring the screen or LED banner.

TRANSMITTER MODE

- QR Code sharing. Built-in microphone that activates automatically via the accelerometer.
- Simplified configuration with **EasyConfig**: NFC, Bluetooth via the AuraConnect app, or the charging station.
- Identify a guided tour group by coloring the screen or LED banner.

AURACAST™ SYSTEMS - TRANSMITTER



AurOEM

Auracast™ industrial adapter board for loudspeaker-equipped product equipment



Aura-CA

AuraOEM electronic board with plastic case and power supply



AuraGate-Pack

AuraPack meets needs in environments where cabling is not an option. This pack includes two AuraGate devices, one AuraGate transmitter and one AuraGate receiver

AURACAST™ SYSTEMS - ACCESSORIES



Aura-CH2

Smart charging station with 2 slots for AuraSTRX with configuration functions



Aura-CH10

Smart charging station with 10 slots for AuraSTRX with configuration functions



Aura-CH20

Smart charging station with 20 slots for AuraSTRX with configuration functions



OP-778

Professional headphones with a 3.5 mm jack plug. More resistant headphones with better listening quality



TR-iL

Magnetic neck collar to receive the magnetic loop with a 3,5 mm jack plug



PoE adaptor

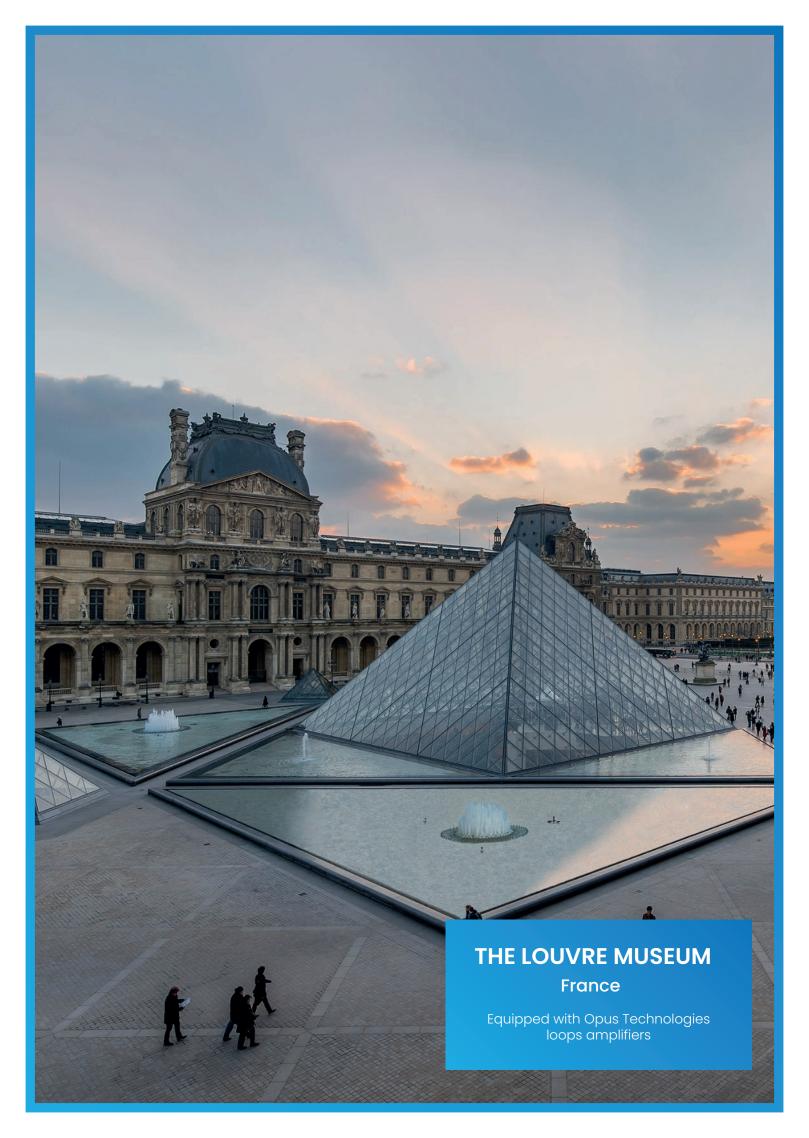
PoE adaptor to power your AuraGate with RJ45 cabling.

LOOP AMPLIFIER SYSTEMS

Made in France, our range of ultra-compact Class D amplifiers combine precision engineering and audio performance. Designed to offer exceptional efficiency in a compact format, these amplifiers embody French know-how at the service of professional and public environments.

Efficient, reliable and energy-efficient, our Class D amplifiers integrate easily into any project, guaranteeing **impeccable sound** and **discreet design**. With Opus Technologies, choose exceptional sound made in France.





LOOP AMPLIFIER - HOW IT WORKS?

In 2024, 1,5 billion people in the world suffer from hearing loss. Most of them are equipped with hearing aid which increase the volume of nearby sounds. Unfortunately, these devices also amplify background noises which makes it difficult for its user to distinguish the right information.

The solution is the hearing loop. The audio signal is converted by an Opus Technologies amplifier into electric pulses then transmitted into a copper cable layed down around the listening area. It generates a magnetic field transmitting the audio input directly into the user's hearing aid.

For ONE-TO-ONE communication

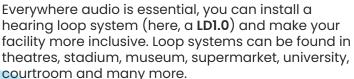


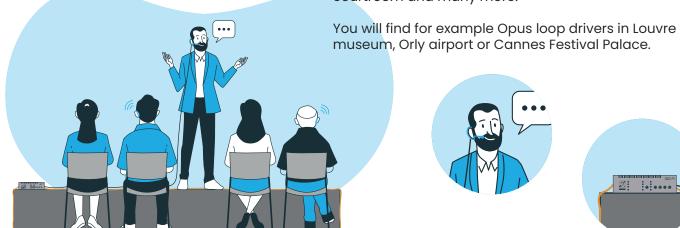


The hearing aid must be **activated in T mode** to pick up this magnetic signal using an integrated copper telecoil (or T coil). The signal is then translated into audio and pure, clear sound is transmitted to the user's ear.

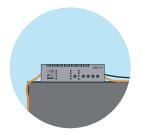
Hearing loops (here, a DCL20) can be used in a wide range of installations, such as one-to-one communications at reception desks, ticket counters, money exchange and many more...

For LARGER listening area





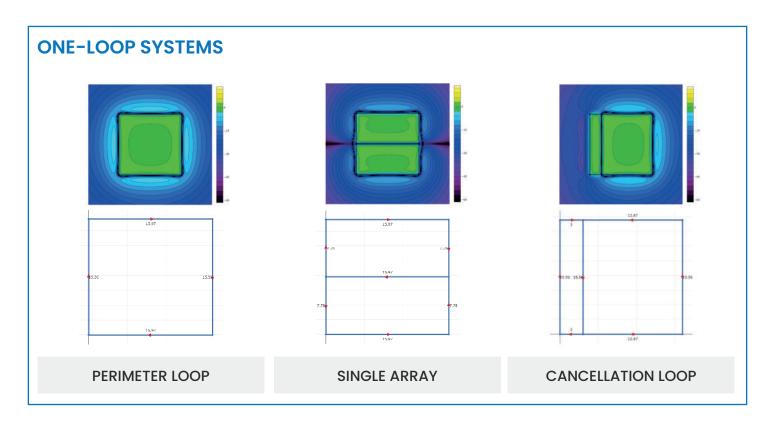


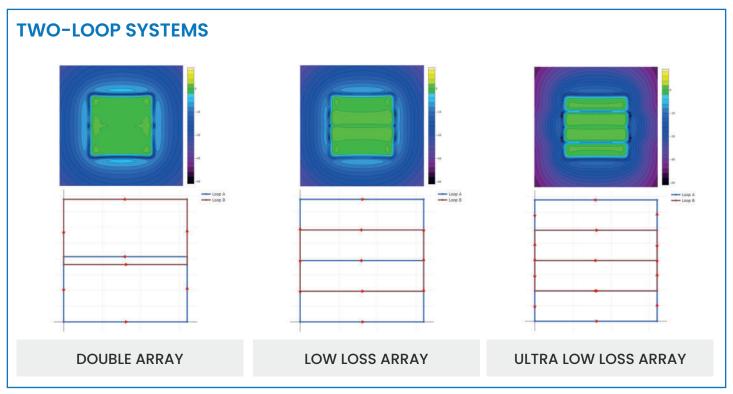


HOW TO DESIGN A LOOP SYSTEM?

If loop systems operation mode, seems pretty easy to understand, choosing and installing and efficient and functioning system is a different story.

A lot of constraints must be taken in account prior the installation of a loop system. The presence of metal structure absorbing the magnetic field strength, the containment of its overspill to the strict dimension of the room, the listening height, are some of the numerous constraints you should take in account while designing a loop system.





OPUS SMARTLOOP

Opus Technologies' SmartLoop software is a combination of years of experience in the installation of loop design and the technological know-how of our software engineer. This powerful tool, allows our customers, finding the right layout and amplifier taking in account all the constraints of their loop project.

Thanks to its user-friendly interface, loop design and specification process has never been that easy! SmartLoop aims to guarantee your customer a loop installation guideline allowing your system to comply with the IEC 60118-4 norm but above all, an efficiently working loop system.

SmartLoop is a designing tool, easy to handle, complete, allowing Opus distributor and installers to demonstrate their ability to offer a performant installation based on accurate and detailed technical studies.

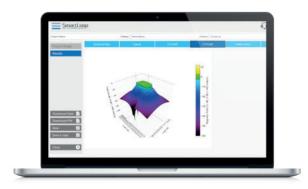
To use SmartLoop software, make a request to create an account on our website <u>www.opus-technologies.fr</u>, get closer to your local distributor or contact us at <u>contact@opus-technologies.fr</u>.



SIMULATION OF YOUR CABLE IMPLEMENTATION



CHECK IF YOUR COVERAGE IS HOMOGENEOUS WITH THE 2D SIMULATION



GET A 3D SIMULATION OF YOUR AUDIO RECEPTION



CHECK IF YOUR SIGNAL REMAINS STEADY INSIDE THE LISTENING AREA

LOOP AMPLIFIER SYSTEMS - PROXIMITY AMPLIFIERS



eLoop / eLoop+

eLoop is the latest generation of Opus Technologies counter loop amplifier. Traditionally utilitarian, grey products that can act as an obvious signpost towards a customer's disability, eLoop brings a new design perspective with a portable counter hearing loop that is positively stylish.

eLoop+ comes with an OP-M81 goose neck microphone and an OP-E3 handset for non fitted people.

AUDIO INPUT			
Integrated microphone	Capsule microphone		
Microphone plug	1x Jack 3,5 mm		
Phantom power supply	5 V, 1 mA		
AUDIO OUTPUT			
Headphone plug	1x 3,5 mm Micro Jack		
POWER SUPPLY			
Voltage / Current	5 V DC / 1,5 A		
Connector	Micro USB		
Battery	Lithium Ion 3,7 V		
Autonomy	10 hours		
Charge time	4 hours		
TECHNICAL SPECIFICATIONS			
Current	3,5 A RMS		
Protections	Thermal resistance, overload		
Coverage	1,10 m		
PRODUCT SPECIFICATIONS			
Dimensions	250 x 185 x 80 mm		
Net weight	366 g		
Packaging	Cardboard		
Shipment dimensions	400 x 250 x 100 mm		
Shipment weight	1,00 kg		



DCL₂₀

DLC20 is the ideal equipment for long term permanent solutions, to be installed on counters and small areas. This discrete driver, intend to provide audio accessibility for people suffering hearing loss, in every public facility.

INPUT	
Audio input	1x microphone + 1x line input
Connector type	1x 3,5 mm Micro Jack + Phoenix
Phantom supply	4,5 V, 1 mA
POWER SUPPLY	
Characteristics	12 V DC / 1,5 A
Туре	Separated power block
Voltage	230 V, 50/60 Hz
Power	< 20 W
Fuse	Thermal
AUDIO PROCESSOR	
Compression	From 1:1 to 20:1
Etching	10 mS
Lowering	Auto. 500 mS or 1500 mS
Bandwidth	From 80 Hz to 8kHz at -3 dB
Dynamic	> 0 dB
THD	THD+N < 0,5 % at 1 kHz
OUTPUT	
Туре	Current
Loop impedance	From 0,5 Ω to 3,0 Ω
Peak current	4 A
RMS current	2 A at 1 kHz
Protection	Thermal, sort circuit and start
PRODUCT SPECIFICATIONS	
Dimensions	100 x 50 x 20 mm
Net weight	83 g
Packaging	Cardboard



DCL20-K

DCL20 kit with:

- DCL20 amplifier
- Microphone OP-M
- Power supply
- · Loop OP-iL
- Stickers
- Screwdriver and Phoenix



DCL20-K1

DCL20 kit with:

- DCL20 amplifier
- Microphone OP-M81
- Power supply
- Loop OP-iL
- Stickers
- Screwdriver and Phoenix



DCI20-K2

DCL20 kit with:

- DCL20 amplifier
- Microphone OP-M81
- Receiver OP-E3
- Power supply
- Loop OP-iL
- Stickers
- Screwdriver and Phoenix



DCL20-E3

DCL20 kit with:

- DCL20 amplifier
- Microphone OP-M
- Receiver OP-E3
- Power supply
- · Loop OP-iL
- Stickers
- Screwdriver and Phoenix



DCL20-TV

DCL20 kit with:

- DCL20 amplifier
- Microphone OP-M
- 30 m of copper coil
- Adapter OP-TosLink
- Power supply
- Stickers
- Screwdriver and Phoenix



DCL20-SA

DCL20 kit with:

- DCL20 amplifier
- Microphone OP-M
- 30 m of copper coil
- Power supply
- Stickers
- Screwdriver and Phoenix



DCL20-WALL

DCL20 kit with:

- DCL20 amplifier
- Microphone OP-M
- Pictogram OP-WALL2Power supply
- Stickers
- Screwdriver and Phoenix



DCL20-PLUG

DCL20 kit with:

- DCL20 amplifier
- Microphone OP-M
- Stand OP-PLUGPower supply
- Stickers
- Screwdriver and Phoenix

LOOP AMPLIFIER SYSTEMS - ACCESSORIES



OP-TosLink

5 V DC digital optical coaxial analog audio signal adapter.



OP-WALL2

Induction loop integrated into an «Area adapted for hearing-impaired» pictogram, to fix on a wall or on its OP-CW2 easel



OP-E3

An earphone who provide hearing accessibility for hearing impaired non-equipped with hearing aids



OP-M

Surface mount microphone for DCL20, with 3.5 mm jack plug. Economical solution supplied with a self-adhesive mounting base



OP-M81

Goose neck microphone who provide a clear and audible sound in all circumstances for people wearing hearing aids



CE-1

Universal stereo headphones, reliable and optimised for multimedia use

LOOP AMPLIFIER SYSTEMS - MEASURING/RECEIVERS TOOLS



OP-LTT

Loop transcriber receiver for smartphone



OP-LRM

This device allows you in the same time to check if you installation comply to the standard IEC 60118-4 thanks it 4 led testimony



OP-FSM-02

Field Strength Measurer to measure loop system performance and guarantee commissioning complying with the IEC 60118-4 norm

LOOP AMPLIFIER SYSTEMS - ROOM AMPLIFIERS



LD1.0Lite

You've heard of the LD1.0, now discover the LD1.0Lite. Even more compact, the LD1.0Lite has 2 audio inputs and can cover a room of 180 m². Its low power consumption will be appreciated, in addition to its LED display.

Audio inputs 2 Type 2 Power supply 1			
Type 2 Power supply 1	INPUT		
Power supply 1	2 inputs : 1 line + 1 mic		
11.7	2 and 3 pts connects		
Sensitivity -	12 V, 2 mA		
	-50 dB microphone		
POWER SUPPLY			
уре І	Integrated		
/oltage 1	115/230 V, 50/60 Hz		
Power	200 VA		
Consumption	6 W		
AUDIO FEATURES			
Automatic Gain Control	> 36 dB		
Bandwidth 8	80 to 9500 Hz		
DUTPUT			
oop impedance	0,5 to 3,0 Ω		
Output voltage 3	34 Vms (48 pk)		
Peak current 8	8 A		
RMS current	4 A RMS		
ADDITIONAL FEATURES			
Defects	LED display protect		
/erification	DC current too high		
Cooling	Natural cooling		
P class I	IP20		
requency of response	40 to 9000 Hz		
PRODUCT SPECIFICATIONS			
Dimensions	42 x 200 x 215 mm		
Net weight	1,50 kg		

^{*}Coverage given as an indication subject to room installation constraints (metal, listening height, geometry, etc). A SmartLoop study is strongly recommended.



LD4.0 / LD4.2

Do you have even larger rooms and an LD3.2 can't cover your entire area? Discover the LD4.X! With its coverage of 3300 m², you'll no longer have any constraints. This device has 3 inputs: 2 switchable lines or microphones and a 100 V input.

The amplifiers incorporate a fault synthesis controlling continuously both loop and amplifier. The information is visible on the front panel and deported thanks to a dry contact.

LD4.0 : 1300 m ^{2*} LD4.2 : 3300 m ^{2*}			
LOOP INPUT			
2x LINE/Microphone + 1x 100 V			
12 V, 2 mA			
Phoenix and/or Combo Neutrik			
> 36 dB			
LD4.0 : 1x 15A RMS / 42,4 Vpp LD4.2 : 2x 15A RMS / 2x 42,4 Vpp			
LD4.0 : 1x 34 V RMS / 96 Vpp LD4.2 : 2x 34 V RMS / 2x 96 Vpp			
lx (LD4.0) or 2x (LD4.2) Neutrik NL4 speakON-socket, layout 1+/1-			
100 to 5000 Hz (± 3 dB)			
< 1 % at rated output power 1 kHz			
90/265 V AC, 50/60 Hz			
3,15 Afuse			
IN1, IN2, IN3			
0 to 9 dB			
ADDITIONAL FUNCTIONS			
Power, Input gain level, Magnetic loop current			
Headphone output 6,35 mm Jack			
PRODUCT SPECIFICATIONS			
42 x 200 x 215 mm			
1,56 kg			

LOOP AMPLIFIER SYSTEMS - ROOM AMPLIFIERS



LDX.0

Opus Technologies LD1.0, LD2.0 and LD3.0 are a new generation of class D loop amplifier with a single output designed for medium and large sized facilities.

These devices have 3 inputs: 2 switchable lines or microphones and a 100 V priority input. The amplifiers incorporate a fault synthesis controlling continuously both loop and amplifier. The information is visible on the front panel and deported thanks to a dry contact.

LD1.0	LD2.0	LD3.0
11)1()	1111/1	113.5 U

Max coverage : single loop	250 m² (10 x 25 m²)*	450 m² (15 x 30 m²)*	900 m² (20 x 45 m²)*
Operation temperature	0 to 45 °C	0 to 45 °C	0 to 45 °C
Storage temperature	-30 to 70 °C	-30 to 70 °C	-30 to 70 °C
INPUT			
Audio inputs	2x line/microphone + 1x 100 V	2x line/microphone + 1x 100 V	2x line/microphone + 1x 100 V
Connector type	Phoenix and/or Combo Neutrik	Phoenix and/or Combo Neutrik	Phoenix and/or Combo Neutrik
Phantom supply	12 V, 2 mA	12 V, 2 mA	12 V, 2 mA
Sensitivity	-50 dB microphone	-50 dB microphone	-50 dB microphone
Priority	100 V input, INPUT 1	100 V input, INPUT 1	100 V input, INPUT 1
POWER SUPPLY			
Туре	Integrated	Integrated	Integrated
Voltage	115/230 V, 50/60 Hz	115/230 V, 50/60 Hz	115/230 V, 50/60 Hz
Power consumption at 1 Ohm	25 W	50 W	90 W
Max. input power	< 250 V AC	< 300 V AC	< 350 V AC
Consumption at rest	9 W at 230 V AC	9 W at 230 V AC	9 W at 230 V AC
AUDIO CHARACTERISTICS			
THD	< 0,5 %, 1 Ohm, 1 kHz	< 0,5 %, 1 Ohm, 1 kHz	< 0,5 %, 1 Ohm, 1 kHz
Automatic Gain Control	> 36 dB	> 36 dB	> 36 dB
Bandwidth	80 to 9500 Hz	80 to 9500 Hz	80 to 9500 Hz
OUTPUT			
Loop impedance	0,5 to 3,0 Ω	0,5 to 3,0 Ω	0,5 to 3,0 Ω
Output voltage	34 V RMS (48 pk)	34 V RMS (48 pk)	34 V RMS (48 pk)
Peak current	8 A	11 A	15 A
RMS current (at 1 kHz)	5 A RMS	7 A RMS	10 A RMS
Slave output	0° or 900 phase shift	0° or 900 phase shift	0° or 900 phase shift
ADDITIONAL FUNCTIONS			
LED display	Power, Protect, Clip and Loop	Power, Protect, Clip and Loop	Power, Protect, Clip and Loop
Metal loss correction	0 to 3 dB per octave	0 to 3 dB per octave	0 to 3 dB per octave
Relay	NO/NC fault relay, 0,5 A/125 V AC, 1 A/24 V DC	NO/NC fault relay, 0,5 A/125 V AC, 1 A/24 V DC	NO/NC fault relay, 0,5 A/125 V AC, 1 A/24 V DC
PRODUCT SPECIFICATIONS			
Dimensions	42 x 200 x 215 mm	42 x 200 x 215 mm	42 x 200 x 215 mm
Net weight	1,48 kg	1,48 kg	1,48 kg



LDX.2

Opus Technologies LD1.2, LD2.2 and LD3.2 are a new generation of class D loop amplifier with a double output designed for large sized facilities.

These devices have 3 inputs: 2 switchable lines or microphones and a 100 V priority input. The amplifiers incorporate a fault synthesis controlling continuously both loop and amplifier. The information is visible on the front panel and deported thanks to a dry contact.

LD1.2	LD2.2	LD3.2
LD1.2	LD 2.2	LD0.2

Max coverage : single loop	600 m² (15 x 40 m²)*	1200 m² (20 x 60 m²)*	2000 m² (25 x 80 m²)*
Max coverage : multi loop	300 m² (10 x 30 m²)*	525 m² (15 x 35 m²)*	1000 m² (20 x 50 m²)*
Operation temperature	0 to 45 °C	0 to 45 °C	0 to 45 °C
Storage temperature	-30 to 70 °C	-30 to 70 °C	-30 to 70 °C
INPUT			
Audio inputs	2x line/microphone + 1x 100 V	2x line/microphone + 1x 100 V	2x line/microphone + 1x 100 V
Connector type	Phoenix and/or Combo Neutrik	Phoenix and/or Combo Neutrik	Phoenix and/or Combo Neutrik
Phantom supply	12 V, 2 mA	12 V, 2 mA	12 V, 2 mA
Sensitivity	-50 dB microphone	-50 dB microphone	-50 dB microphone
Slave entry	Jack 6,35 mm	Jack 6,35 mm	Jack 6,35 mm
Priority	100 V input, INPUT 1	100 V input, INPUT 1	100 V input, INPUT 1
POWER SUPPLY			
Туре	Integrated	Integrated	Integrated
Voltage	115/230 V, 50/60 Hz	115/230 V, 50/60 Hz	115/230 V, 50/60 Hz
Power consumption at 1 Ohm	50 W	100 W	180 W
Max. input power	< 500 V AC	< 600 V AC	< 700 V AC
Consumption at rest	14 W at 230 V AC	14 W at 230 V AC	14 W at 230 V AC
AUDIO CHARACTERISTICS			
THD	< 0,5 %, 1 Ohm, 1 kHz	< 0,5 %, 1 Ohm, 1 kHz	< 0,5 %, 1 Ohm, 1 kHz
Automatic Gain Control	> 36 dB	> 36 dB	> 36 dB
Bandwidth	80 to 9500 Hz	80 to 9500 Hz	80 to 9500 Hz
Phase shift	Included	Included	Included
OUTPUT			
Loop impedance	0,5 to 3,0 Ω	0,5 to 3,0 Ω	0,5 to 3,0 Ω
Output voltage	34 V RMS (48 pk)	34 V RMS (48 pk)	34 V RMS (48 pk)
Peak current	2x 8 A	2x 11 A	2x 15 A
RMS current (at 1 kHz)	2x 5 A RMS	2x 7 A RMS	2x 10 A RMS
ADDITIONAL FUNCTIONS			
LED display	Power, Protect 1, Protect 2, Loop	Power, Protect 1, Protect 2, Loop	Power, Protect 1, Protect 2, Loop
Verification	Open loop, thermal protection	Open loop, thermal protection	Open loop, thermal protection
Relay	NO/NC fault relay, 0,5 A/125 V AC, 1 A/24 V DC	NO/NC fault relay, 0,5 A/125 V AC, 1 A/24 V DC	NO/NC fault relay, 0,5 A/125 V A(1 A/24 V DC
PRODUCT SPECIFICATIONS			
Dimensions	42 x 200 x 215 mm	42 x 200 x 215 mm	42 x 200 x 215 mm
Net weight	1,56 kg	1,56 kg	1,56 kg

LOOP AMPLIFIER SYSTEMS - MOBILE AMPLIFIERS



LDP1.0

LD kit with:

- Storage suitcase
- Amplifier LD1.0
- Receiver OP-LRM
- 100 m connection cable



LDP1.0M

LD kit with:

- Storage suitcase
- Amplifier LD1.0
- Receiver OP-LRM
- Portable transmitter OP-8TH
- Fixed receiver OP-10SRX
- 100 m connection cable



LDP2.0

LD kit with:

- Storage suitcase
- Amplifier LD2.0
- Receiver OP-LRM
- 100 m connection cable



LDP2.0M

LD kit with:

- Storage suitcase
- Amplifier LD2.0
- Receiver OP-LRM
- Portable transmitter OP-8TH
- Fixed receiver OP-10SRX
- 100 m connection cable



LDP3.0

LD kit with:

- Storage suitcase
- Amplifier LD3.0
- Receiver OP-LRM
- 100 m connection cable



LDP3.0M

LD kit with:

- Storage suitcase
- Amplifier LD3.0
- Receiver OP-LRM
- Portable transmitter OP-8TH
- Fixed receiver OP-10SRX
- 100 m connection cable

LOOP AMPLIFIER SYSTEMS - AMPLIFIERS ACCESSORIES



OP-V

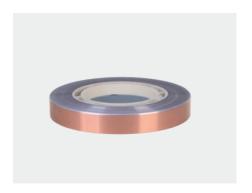
Plexiglas protection to lock settings on an LD serie amplifier. Delivered with 4 screws



OP-R

Mounting kit for wall or rack, 1U 19" for 1 or 2 LD series amplifier

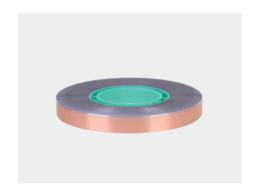
LOOP AMPLIFIER SYSTEMS - CABLING



RC50

Flat copper tape for an under flooring

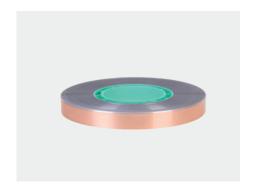
installation Section : 1,8 mm Length : 50 m



RC100

Flat copper tape for an under flooring

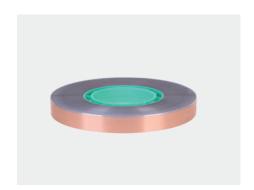
installation Section : 1,8 mm Length : 100 m



RC150

Flat copper tape for an under flooring

installation Section : 1,8 mm Length : 150 m



RC025-100

Flat copper tape for an under flooring installation

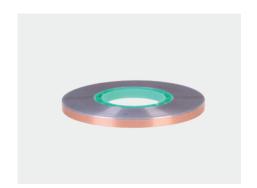
Section: 25,0 mm Length: 100 m



RC01-50

Flat copper tape for an under flooring installation

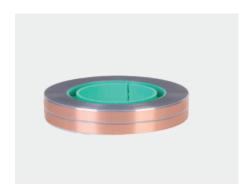
Section : 1,0 mm Length : 50 m



RC01-100

Flat copper tape for an under flooring installation

Section : 1,0 mm Length : 100 m

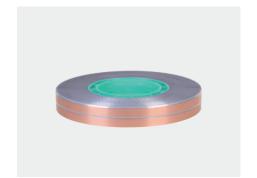


RC02-50

Flat copper tape for an under flooring

installation

Section : 2x 1,0 mm Length : 50 m



RC02-100

Flat copper tape for an under flooring

installation

Section: 2x 1,0 mm Length: 100 m



ADH-RC

This tape covers the copper wire when installing a magnetic loop on the ground and signal it and protect it from being cut by a « DO NOT CUT » warning.

LOOP AMPLIFIER SYSTEMS - CABLING



LC-50

Multi-section cable to be installed on the floor, in walls or in ceilings Composition: 7x 0,25 and 1x 0,75 Section: 0,25 to 2,50 mm²

Length: 50 m



LC-100

Multi-section cable to be installed on the floor, in walls or in ceilings Composition : 7x 0,25 and 1x 0,75

Section: 0,25 to 2,50 mm²

Length: 100 m



LC-150

Multi-section cable to be installed on the floor, in walls or in ceilings Composition: 7x 0,25 and 1x 0,75

Section : 0,25 to 2,50 mm²

Length: 150 m



OP-LI5

Shielded cable to ensure connection between rack and Opus amplifier Length: 5 m



OP-LI10

Shielded cable to ensure connection between rack and Opus amplifier Length: 10 m



OP-LI15

Shielded cable to ensure connection between rack and Opus amplifier Length: 15 m



C10-RC

Connection terminal block between copper foil (RC) and connection cable (OP-LI). Set of 10 units



DBLC15-100

Direct burial loop cable. EPRCSP and HOFR insulation Section: 1,5 mm²

Length: 100 m



DBLC25-100

Direct burial loop cable. EPRCSP and HOFR insulation Section : 2,5 mm²

Length: 100 m

LOOP AMPLIFIER SYSTEMS - OEM

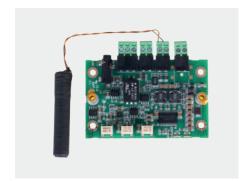
Your project becomes our project!

If you are a manufacturer of intercom systems, audio communication terminals or ticket machines, your project becomes ours. We can help you integrate technical solutions to make your equipment accessible to the hearing impaired. Want to find out more? Write to us at contact@opus-technologies.fr



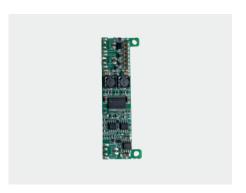
OP-IB01

Proximity amplifier electronic board - Driver only



OP-IB01N

Proximity amplifier electronic board - Driver with ferrite loop



OP-IB02

Compact amplifier circuit board with terminal block - Driver only



OP-IB02N

Compact amplifier circuit board with terminal block - Driver with ferrite loop



Loop antenna

Do you have a specific project and need a precise size of magnetic loop? Just ask us!

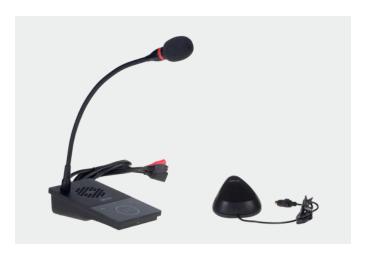
WINDOW INTERCOMS

Discover Opus Technologies' window intercom range. Our window intercom allows **clear conversations** when communications are altered by barriers such as mask, double glazing, security screen, or other counter security systems. It makes conversation easier for people struggling to understand **clearly a conversation** especially in a noisy environment. The intercoms fit in many types of environments such as banks, train stations, ticket offices, money exchange...

A loop solution is available for every Opus Technologies intercom system, facilitating communications for hearing device wearers.



WINDOW INTERCOMS - TACTILE PAD



OP-6505H

Counter intercom consisting of a desk microphone with loudspeaker on the agent's side and a loudspeaker/microphone on the customer's side. The microphone on the customer side is fixed to the window or to a smooth wall.

AUDIO		
Voice reception	No delays	
Audio coding	PCM/CAA	
Signal to noise	> 90 dB	
Response frequency	20 to 16000 Hz	
Sampling rate	8 to 32 kHz	
Volume	Adjustable 1 to 15	
INPUT		
Jack	3,5 mm	
TECHNICAL FEATURES		
Power supply	12 V DC, 1,5 A	
Energy consumption	< 5 W	
Interface	lx RJ45 Ethernet port, lx power input, lx recording port and lx internal external connector	
Listening mode	3 : standard, quiet and noisy	
PRODUCT SPECIFICATIONS		
Agent side intercom	160 x 95 x 46,5 mm	
Customer side speaker	102 x 83 x 24 mm	
Packaging	Cardboard	



OP-6505HB

OP-6505H kit with:

- Intercom OP-6505H
- Magnetic loop DCL20-65



OP-6505HK

OP-6505H kit with:

- Intercom OP-6505H
- Headphone HD-1022



OP-6505HBK

OP-6505H kit with:

- Intercom OP-6505H
- Magnetic loop DCL20-65
- Headphone HD-1022

WINDOW INTERCOMS - TACTILE PAD



OP-6515H

Counter intercom consisting of a desk microphone with loudspeaker on the agent's side and a loudspeaker/microphone on the customer's side. The microphone on the customer side is induction-sensitive, so it can be placed either on a window or on the counter.

AUDIO	
Voice reception	No delays
Audio coding	PCM/CAA
Signal to noise	> 90 dB
Response frequency	20 to 16000 Hz
Sampling rate	8 to 32 kHz
Volume	Adjustable through webpage
INPUT	
Jack	3,5 mm
TECHNICAL FEATURES	
Power supply	12 V DC, 1,5 A
Energy consumption	< 5 W
Interface	lx RJ45 Ethernet port, lx power input, lx recording port and lx internal external connector
Listening mode	3 : standard, quiet and noisy
Microphone capsule	Ultracardioid
PRODUCT SPECIFICATIONS	
Agent side intercom	160 x 95 x 46,5 mm
Customer side speaker	102 x 83 x 24 mm
Packaging	Cardboard



OP-6515HB

OP-6505H kit with:

- Intercom OP-6515H
- Magnetic loop DCL20-65



OP-6515HK

OP-6505H kit with:

- Intercom OP-6515H
- Headphone HD-1022



OP-6515HBK

OP-6505H kit with:

- Intercom OP-6515H
- Magnetic loop DCL20-65
- Headphone HD-1022

WINDOW INTERCOMS - TACTILE PAD



STI-01

Counter intercom consisting of a desk microphone with loudspeaker on the agent's side and a loudspeaker/microphone on the customer's side. The microphone on the customer side is fixed to the window or to a smooth wall.

AUDIO		
Voice reception	No delays	
Recording ouput	> 50 dB	
Signal to noise	> 90 dB : 20 Hz to 16 kHz	
Bandwidth	20 Hz to 16 kHz	
TECHNICAL FEATURES		
Power supply	12 V DC, 0,5-2,0 A	
Working current	Static 25 mA, speak 70-100 mA	
Speaker power	Host 8 Ω 3W, external 8 Ω 2 W	
Headphone plug	Standard audio jack	
PRODUCT SPECIFICATIONS		
Agent side intercom	160 x 90 x 42 mm	
Customer side speaker	74,5 x 74,5 x 22 mm	
Packaging	Cardboard	



STI-01B

STI-01 kit with:

- Intercom STI-01
- Magnetic loop DCL20-65



STI-01H

STI-01 kit with:

- Intercom STI-01
- Headphone HD-1022



STI-01HB

STI-01 kit with:

- Intercom STI-01
- Magnetic loop DCL20-65
- Headphone HD-1022

WINDOW INTERCOMS - PHYSICAL PAD



OP-6510

Counter intercom consisting of a desk microphone with loudspeaker on the agent's side and a loudspeaker/microphone on the customer's side. The microphone on the customer side is fixed to the window or to a smooth wall.

AUDIO		
Voice reception	No delays	
Audio coding	PCM/CAA	
Signal to noise	> 90 dB	
Response frequency	20 to 16000 Hz	
Sampling rate	8 to 32 kHz	
Volume	Adjustable 1 to 15	
TECHNICAL FEATURES		
Power supply	12 V DC, 1,5 A	
Energy consumption	< 5 W	
Interface	lx RJ45 Ethernet port, lx power input, lx recording port and lx internal external connector	
Listening mode	3 : standard, quiet and noisy	
PRODUCT SPECIFICATIONS		
Agent side intercom	160 x 95 x 46,5 mm	
Customer side speaker	102 x 83 x 24 mm	
Packaging	Cardboard	



OP-6510B

OP-6510 kit with:

- Intercom OP-6510
- Magnetic loop DCL20-65

UHF WIRELESS SYSTEMS

UHF systems are a great alternative to assistive listening solution, when your project constraints prevent hearing loops to be installed. Opus Technologies UHF OP-10 range is intended to be used either in wide environments or for tour guidance. It transmits the sound directly into listening options like headphones or inductive neck loops.



UHF WIRELESS SYSTEMS - TRANSMITTERS



OP-10STX

The OP-10STX rackable transmitter is intended to be used to transmit audio modulation from a sound system, PA system or microphone to one or more OP-10R or OP-10SRX receivers.

TECHNICAL SPECIFICATIONS		
Radio frequency range	863/865 MHz divided into 16 cha.	
Transmission	< 10 mW	
Audio frequency range	40 to 15000 Hz	
CHANNELS		
CHI input	20000 Ω	
CH2 impedance	100 mV	
CH2 connection	6,3 mm Jack plug	
CH3 input	47000 Ω	
CH3 impedance	250 mV	
CH3 connection	6,3 mm Jack plug	
OUTPUT		
Phantom H1	~ 46 V	
Headphone output	3,5 mm Jack plug	
Headphone impedance	> 16 Ω	
Operation temperature	0 to 40 °C	
Power	230 V, 50 Hz	
PRODUCT SPECIFICATIONS		
Dimensions	212 x 44 x 239 mm	
Net weight	1,30 kg	



OP-10T

The OP-10T pocket-size transmitter, supplied with an M-801S microphone, is used to transmit a speaker's voice to one or more OP-10R receivers.

TECHNICAL SPECIFICATIONS		
Radio frequency range	863/865 MHz divided into 16 cha.	
Transmission	10 mW	
Audio frequency range	18 to 14 Hz	
Internal microphone	Electret microphone (cardioid)	
Battery time	< 14 hours	
PRODUCT SPECIFICATIONS		
Dimensions	54 x 17 x 99 mm	
Net weight	80 g	



OP-8TH

Combined with an OP-10 T transmitter, the OP-8TH is an electret microphone allowing to transmit a speaker's voice to one or several OP-10R receivers.

TECHNICAL SPECIFICATIONS	
Radio frequency range	863/865 MHz divided into 16 cha.
Transmission	10 mW
Stability	~ 10 kHz
Channel display	LED display
Controls	ON/OFF, Channel selection, Mute
Frequency responses	40 to 16'500 Hz
Power	2 LR6
Autonomy	< 20 hours

UHF WIRELESS SYSTEMS - RECEIVERS



OP-10SRX

The OP-10SRX fixed diversity receiver allows you to pick up an audio source transmitted by an Opus OP-10 transmitter and transmit it in a dedicated reception zone.

TECHNICAL SPECIFICATIONS	
Radio frequency range	863/865 MHz
Signal to noise ratio	> 105 dB
THD	< 0,6 %, 1′000 Hz
Display	LED
Controls	ON/OFF, Channel selec., Volume
Output level	- 12 dB
Output impedance	600 Ω
Power	10/18 V DC
PRODUCT SPECIFICATIONS	
Dimensions	212 x 40 x 125 mm



OP-10R

The OP-10R is a pocket-size receiver with an excellent value for money ratio. It can receive up to 16 broadband channels. Its Lithium battery provides 14 hours of battery life.

TECHNICAL SPECIFICATIONS		
Audio input	1x microphone + 1x line input	
Connector type	1x 3,5 mm Micro Jack + Phoenix	
Phantom supply	4,5 V,1 mA	
Peak current	4 A	
RMS current	2 A at 1 kHz	
Protection	Thermal, sort circuit and start	
PRODUCT SPECIFICATIONS		
Dimensions	100 x 50 x 20 mm	
Net weight	83 g	
Packaging	Cardboard	

UHF WIRELESS SYSTEMS - ACCESSORIES



OP-10TG

Single earpiece for receiver OP-10R



CE-1

Universal stereo headphones, reliable and optimised for multimedia use



OP-778

Professional headphones with a 3,5 mm jack plug. More resistant headphones with better listening quality

UHF WIRELESS SYSTEMS - ACCESSORIES



M-801S

Microphone electret headband with jack 3,5 mm jack for OP-10T



OP-101P

Plug-in microphone with 3,5 mm jack plug



W-68T

Lightweight omnidirectional clip-on tie microphone



ANT-49P

Passive omnidirectional antenna with BNC female connection



OP-49P

Passive directional antenna with BNC connection



OP-900i

Antenna booster with 10 dB gain booster and 1,8 dB antenna gain



C-900

Antenna coupler with 4 inputs and 1 output. Improves RF performance by reducing intermodulation distortion



USP-124

Signal splitter with 4 LED indicators and BNC connector



TR-iL

Magnetic neck collar to receive the magnetic loop with a 3,5 mm jack plug

UHF WIRELESS SYSTEMS - CHARGE & STORAGE



OP-SBAGSoft waterproof bag for ST-DUO2SB kit



OP-CAS
18-inch universal storage case with pre-cut foam



OP-CAS1
10.5-inch universal storage case with pre-cut foam



OP-CAS4
20-inch universal storage case with pre-cut foam



OP-CAS12
18-inch universal storage case with pre-cut foam for 6x OP-10CH2 and 12x OP-10R



OP-10CH2
Charging terminal for 2 UHF range devices: OP-10R and/or OP-10T



OP-10CH18
Charging terminal for 18 UHF range devices: OP-10R and/or OP-10T



OP-10CH36Charging station for 36 UHF devices: OP-10R and/or OP-10T



ST-DUO2SB

UHF kit complete with: OP-SBAG,
OP-10T, OP-10R, OP-10CH2, W-68T,
OP-778, TR-iL and a TV cord set

UHF WIRELESS SYSTEMS - SYSTEM KITS



ST-DUO2

UHF kit complete with : OP-CAS1, OP-10T, OP-10R, OP-10CH2, W-68T, OP-778, TR-iL and a TV cord set

For the version with soft bag, see page 43: ST-DUO2SB



OP-K4F

Fixed transmitter kit: 4x OP-10R, 1x OP-10STX, 2x OP-10CH2, 4x OP-778 and 4x TR-iL



OP-K6F

Fixed transmitter kit: 6x OP-10R, 1x OP-10STX, 3x OP-10CH2, 6x OP-778 and 6x TR-iL



OP-K8F

Fixed transmitter kit: 8x OP-10R, 1x OP-10STX, 4x OP-10CH2, 8x OP-778 and 8x TR-iL



OP-K10F

Fixed transmitter kit: 10x OP-10R, 1x OP-10STX, 5x OP-10CH2, 10x OP-778 and 10x TR-iL



OP-K18F

Fixed transmitter kit: 18x OP-10R, 1x OP-10STX, 1x OP-10CH18, 18x OP-778 and 18x TR-iL



OP-K3M

Mobile transmitter kit: transport case, 3x OP-10R, 1x OP-10T, 2x OP-10CH2, 1x W-68T, 3x OP-778 and 3x TR-iL



OP-K5M

Mobile transmitter kit: transport case, 5x OP-10R, 1x OP-10T, 3x OP-10CH2, 1x W-68T, 5x OP-778 and 5x TR-iL



OP-K17M

Mobile transmitter kit: transport case, 17x OP-10R, 1x OP-10T, 1x OP-10CH18, 1x W-68T, 17x OP-778 and 17x TR-iL

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- With 10 years of experience in hearing accessibility, Opus Technologies provides ultra compact loop amplifiers.
- Manufactured and developed by engineers in France.
- Our inclusive technologies are at the service of hard of hearing.

